

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **UNCOUPLING PROTEIN 2 (UCP2): COMPOSITIONS AND METHODS OF USE** the specification of which X is attached hereto or _____ was filed on _____ as Application No. _____ and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes <u> </u> No <u> </u>
			Yes <u> </u> No <u> </u>

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
		<u> </u> Patented <u> </u> Pending <u> </u> Abandoned
		<u> </u> Patented <u> </u> Pending <u> </u> Abandoned

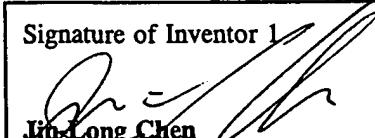
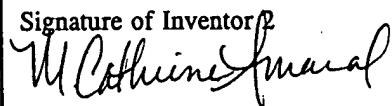
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

William B. Kezer, Reg. No. 37,369
Eugenia Garrett-Wackowski, Reg. No. 37,330
Timothy L. Smith, Reg. No. 35,367
Jonathan A. Quine, Reg. No. 41,261

Send Correspondence to: Eugenia Garrett-Wackowski TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Eugenia Garrett-Wackowski Reg. No.: 37,330 Telephone: (415) 576-0200
---	--

Full Name of Inventor 1	Last Name CHEN	First Name JIN-LONG	Middle Name or Initial	
Residence & Citizenship	City Millbrae	State/Foreign Country California	Country of Citizenship Taiwan	
Post Office Address	Post Office Address 507C Popular Avenue	City Millbrae	State/Country California	Zip Code 94030
Full Name of Inventor 2	Last Name AMARAL	First Name M.	Middle Name or Initial CATHERINE	
Residence & Citizenship	City San Francisco	State/Foreign Country California	Country of Citizenship U.S.A.	
Post Office Address	Post Office Address 2202 Sutter Street, #1	City San Francisco	State/Country California	Zip Code 94115
Full Name of Inventor 3	Last Name	First Name	Middle Name or Initial	
Residence & Citizenship	City	State/Foreign Country	Country of Citizenship	
Post Office Address	Post Office Address	City	State/Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Jin-Long Chen	Signature of Inventor 2  M. Catherine Amaral	Signature of Inventor 3
Date 7-27-98	Date 7-27-98	Date

POWER OF ATTORNEY BY ASSIGNEE

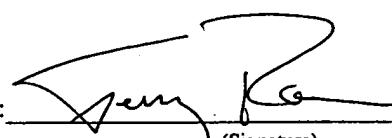
Tularik Inc. is the Assignee of the invention entitled: HUMAN UNCOUPLING PROTEIN 2 (hUCP2): COMPOSITIONS AND METHODS OF USE, the specification of which is attached hereto or X was filed on July 29, 1998 as Application Serial No. 09/124,293.

Assignee hereby appoints the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

William B. Kezer, Reg. No. 37,369
Eugenia Garrett-Wackowski, Reg. No. 37,330
Timothy L. Smith, Reg. No. 35,367
Jonathan A. Quine, Reg. No. 41,261

Send Correspondence to:	Direct Telephone Calls to:
Eugenia Garrett-Wackowski, Esq.	(Name, reg. no., tele. no.)
TOWNSEND and TOWNSEND and CREW LLP	Eugenia Garrett-Wackowski
Two Embarcadero Center, 8th Floor	Reg. No. 37,330
San Francisco, CA 94111-3834	(415) 576-0200

TULARIK INC.

Date: 08/27/98
By: 

(Signature)

Name: Terry Rosen
Title: Vice President, Research Operations

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jin-Long Chen of 507C Popular Avenue, Millbrae, California 94030, and M. Catherine Amaral of 2202 Sutter Street, #1, San Francisco, California 94115, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **HUMAN UNCOUPLING PROTEIN 2 (hUCP2): COMPOSITIONS AND METHODS OF USE**

Filing date: July 29, 1998 Application No.: 09/124,293; and

WHEREAS, Tularik Inc., a Delaware corporation, located at Two Corporate Drive, South San Francisco, California 94080, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

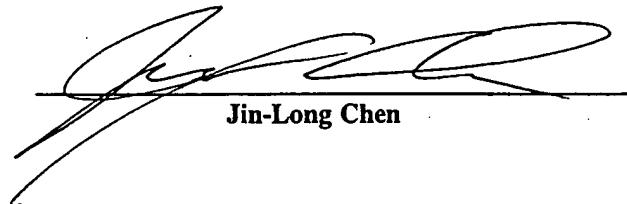
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

TOP SECRET

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: Aug 25, 1998



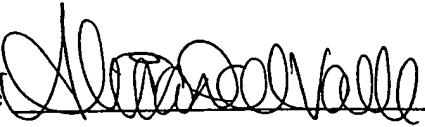
Jin-Long Chen

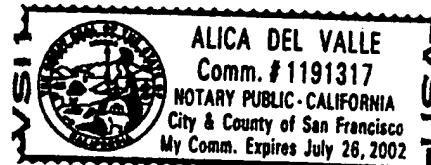
STATE OF CALIFORNIA

COUNTY OF SAN MATEO

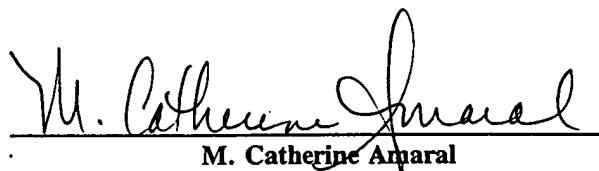
On Aug 25, 1998, before me, ALICA DEL VALLE, Notary Public (here insert name and title of the officer), personally appeared Jin-Long Chen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, execute the instrument.

WITNESS my hand and official seal.

Signature  (Seal)



Date: 8/24/98

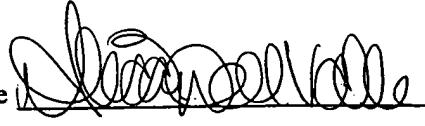

M. Catherine Amaral

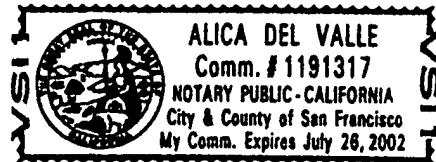
STATE OF CALIFORNIA

COUNTY OF SAN MATEO

On Aug. 24, 1998, before me, ALICA DEL VALLE, Notary Public (here insert name and title of the officer), personally appeared M. Catherine Amaral, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, execute the instrument.

WITNESS my hand and official seal.

Signature  (Seal)



COPY

Attorney Docket No. 018781-001100

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jin-Long Chen of 507C Popular Avenue, Millbrae, California 94030, and M. Catherine Amaral of 2202 Sutter Street, #1, San Francisco, California 94115, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: HUMAN UNCOUPLING PROTEIN 2 (hUCP2): COMPOSITIONS AND METHODS OF USE

Filing date: July 29, 1998 Application No.: 09/124,293; and

WHEREAS, Tularik Inc., a Delaware corporation, located at Two Corporate Drive, South San Francisco, California 94080, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

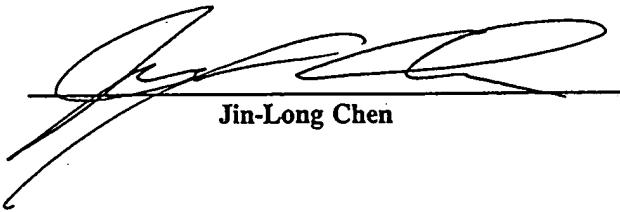
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

COPY

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: Aug 25, 1998

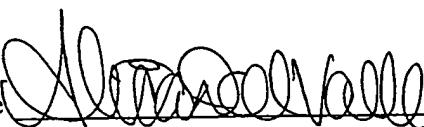

Jin-Long Chen

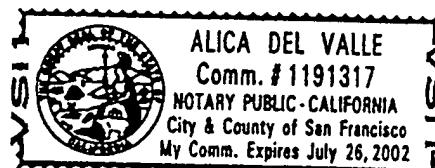
STATE OF CALIFORNIA

COUNTY OF SAN MATEO

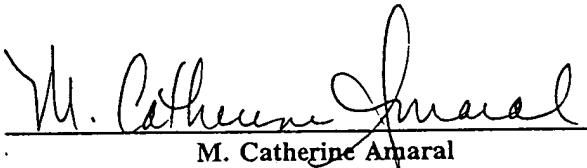
On Aug 25, 1998, before me, ALICA DEL VALLE, NOTARY PUBLIC (here insert name and title of the officer), personally appeared Jin-Long Chen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, execute the instrument.

WITNESS my hand and official seal.

Signature  (Seal)



Date: 8/24/98

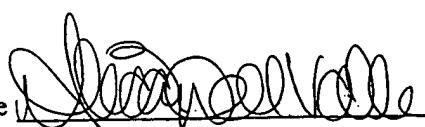

M. Catherine Amaral

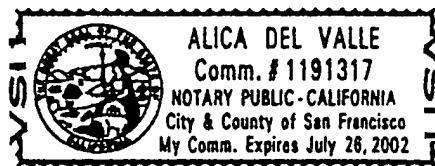
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WITNESS my hand and official seal.

Signature  (Seal)



COPY



TOWNSEND & TOWNSEND
E. CREW

JANUARY 25, 1999
99 FEB -2 AM 8:32 PTAS
TOWNSEND AND TOWNSEND AND CREW LLP
EUGENIA GARRETTEWACKOWSKI
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834

18781-00110045
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
EGW



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/25/1998

REEL/FRAME: 9477/0466
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:
CHEN, JIN-LONG

DOC DATE: 08/25/1998

ASSIGNEE:
AMARAL, M. CATHERINE

DOC DATE: 08/24/1998

ASSIGNEE:
TULARIK INC.
TWO CORPORATE DRIVE
SOUTH SAN FRANCISCO, CALIFORNIA

94080

SERIAL NUMBER: 09124293
PATENT NUMBER:

FILING DATE: 07/29/1998
ISSUE DATE:

9477/0466 PAGE 2

PEARLENE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

CONFIDENTIAL - DRAFT

FORM PTO-1595
(Rev. 6-93)RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jin-Long Chen
M. Catherine Amaral

2. Name and address of receiving party(ies):

Name: Tularik Inc.

Internal Address:

Street Address: Two Corporate Drive

3. Nature of conveyance:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other: | |

Execution Date: 8/25/98; 8/24/98

City: South San Francisco State: California ZIP: 94080

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/124,293

B. Patent No.(s)

Additional numbers attached?

 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Eugenia Garrett-Wackowski
 TOWNSEND and TOWNSEND and CREW LLP
 Two Embarcadero Center, 8th Floor
 San Francisco, California 94111-3834
 (415) 576-0200

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40

 Enclosed Charge Fees to Deposit Account Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account

8. Deposit account number: 20-1430

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Eugenia Garrett-Wackowski

Name of Person Signing

Signature

9/22/98

Date

Atty. Reg. No. 37,330

Total number of pages including cover sheet, attachments, and document: 3

10. Change Correspondence Address to that of Part 5? Yes N

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:
 Asst. Commissioner for Patents
 Box Assignments
 Washington, D.C. 20231

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Applicant: Jin-Long Chen and M. Catherine Amaral

Application No.: 09/124,293 Filed: 7/29/98

For: HUMAN UNCOUPLING PROTEIN 2 (hUCP2): COMPOSITIONS AND METHODS OF USE

Tularik Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

- A. An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame(s) _____, or for which a copy thereof is attached.

OR

- B. A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : 08/27/98

Name : Terry Rosen

Title : Vice President, Research Operations

Signature : 

P22D.MRG (w/ PWR.MRG) 8796